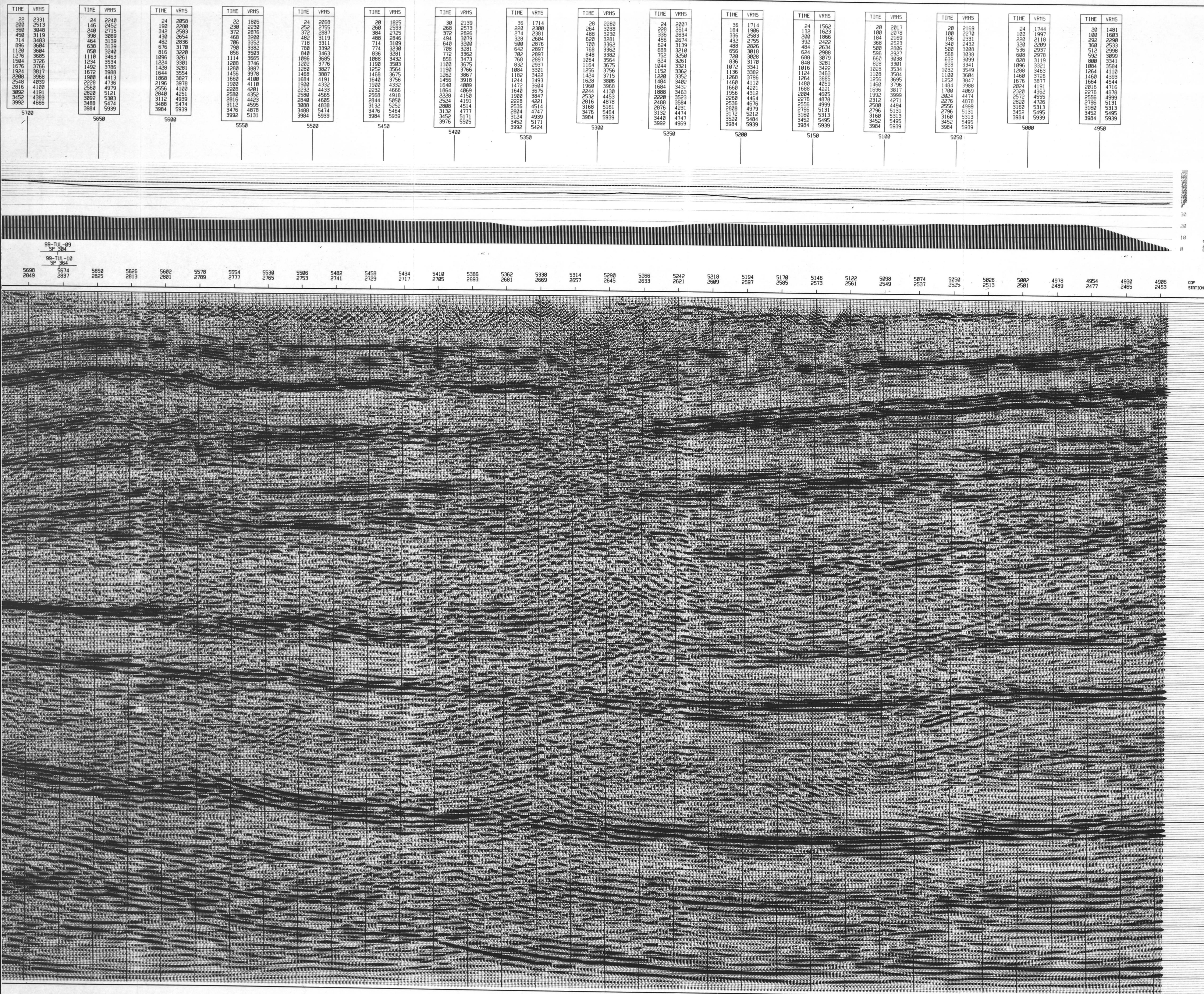




SW -- NE

9227-A61-2DA

A.E.C. WEST LTD

LINE: 52X

AREA: KEELE ARCH

LOCATION: N.W.T.

2000% MIGRATION STACK

NORMAL POLARITY

SHOT POINTS: 2450 - 3450 (NE - SW)

RECORDING PARAMETERS

DATE SHOT: FEBRUARY, 1999

SHOT BY: WESTERN GEOPHYSICAL

SHOT FOR: OIL FIELD CHARGE RESOURCES

SHOOTING DIRECTION: NE - SW

SOURCE: DYNAMITE

RECEIVERS: GEOPHONE TYPE: 9H-4

ENERGY SOURCE: SINGLE HOLE

PROF: 14 HZ

CHARGE SIZE: 2.0 KG

PHONES/GROUP: 5 AT 3.3 M.

SHOT DEPTH: 9 M

GROUP INTERVAL: 30 M.

FIELD FILTER: 8" - 180 HZ

SHOT POINT SPACING: 40 M.

NOTCH FILTER: OUT

NO. OF TRACES: 120

INSTRUMENTS

INSTRUMENT TYPE: DES V

RECORD LENGTH: 15 SEC.

SEG-B

SAMPLE INTERVAL: 2 MS.

FIELD TAPE NUMBERS:

STANDARD SPREAD CONFIGURATION

TRACE: 60 X 61

DISTANCE: 1815 - 1815 M

PROCESSING SEQUENCE

DATE PROCESSED: APRIL, 1999

1) DEMULTIPLEX FROM SEG-B FORMAT

2) GAIN CORRECTION - TYPE: EXPONENTIAL

3) LINE GEOMETRY

4) SURFACE CONSISTENT DECONVOLUTION & SCALING

OPERATOR LENGTH: 100 MS

PREWHITENING: 0.1 %

DESIGN GATE: 0.350 - 3.500 SEC. AT 45 M

0.650 - 3.700 SEC. AT 1815 M

5) ZERO PHASE FREQUENCY DECONVOLUTION

6) TRACE BALANCE

7) ELEVATION CORRECTIONS ONLY (SEE NOTE 1)

REPLACEMENT VELOCITY: 3007 M/SEC.

DATUM ELEVATION: 305 M. A.S.L.

8) VELOCITY ANALYSIS

TYPE: COHERENCY SPECTRA

9) AUTOMATIC RESIDUAL STATICS

HINDO: 0.200 - 1.350 SEC.

MAXIMUM STATIC: +/- 30 MSEC.

ITERATIONS: 4

10) REPEAT STEPS 7 & 8

11) NMO

12) MUTE: OFFSET: 455 M.

MUTE TIME: 0.000 SEC.

525 M. 0.350 SEC.

675 M. 0.630 SEC.

1815 M. 0.630 SEC.

10 - 115 HZ

13) SPECTRAL WHITENING

14) TRAIN STATICS

HINDO: 0.300 - 3.000 SEC.

MAXIMUM STATIC: +/- 12 MSEC.

2000 %

15) STACK

12/16 - 75/85 HZ

17) AGC SCALING

HINDO: 500 MS

18) F-X DECONVOLUTION: ADDBACK = 50%

19) FINITE DIFFERENCE MIGRATION (100% STACKING VELOCITIES)

*****NOTE***** THE FIRST BREAKS WERE PICKED BUT WERE VERY NOISY AND INCONSISTENT OVER MANY PORTIONS OF THE LINE. REFRACTION STATICS WERE CALCULATED AND APPLIED, BUT BUSTED THE LINE IN SEVERAL AREAS. CONSEQUENTLY, ONLY ELEVATION AND DATUM STATIC CORRECTIONS WERE USED, LEAVING LONG WAVELENGTH WX STATICS IN THE DATA.

DISPLAY PARAMETERS

HORIZONTAL SCALE: 24 TRACES/INCH

VERTICAL SCALE: 5.0 IN/SEC

EI PROCESSING INC.

[illegible]